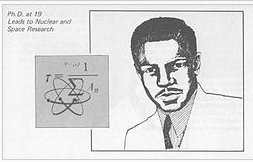
**Walter Williams**



* Born: March 31, 1936 in Philadelphia
* Professor of Economics, George Mason University
* Syndicated columnist for 140 newspapers across the USA.
* Knew Bill Cosby, “Weird Harold” and “Fat Albert” as a child
* Argues in his 1982 book – *The State Against Blacks* – that laws saying what employers can and cannot do are more of a problem for African Americans than racism.

**Jesse Ernest Wilkins**





* Born: November 27, 1923 in Chicago
* Died: May 1, 2011 in Fountain Hills, Arizona
* Nuclear scientist and mathematician
* Entered University of Chicago at age 13.
* Earned PhD at 19.
* Worked on Manhattan Project (which developed the atom bomb during WW II).
* 1944: Professor at University of Chicago
* Discoverer of phenomena about neutrons, such as the Wilkins Effect and the Wilkins Spectra.
* Designed nuclear reactors.
* Part owner of a company that made nuclear reactors for generating electricity.
* Cousin of NBA legend Julius “Dr. J.” Erving

**Arthur Walker**



* Born: August 24, 1936 in Cleveland, Ohio
* Died: April 29, 2001 in Stanford, California
* Solar Physicist
* Professor at Stanford University
* Developed telescopes for research in space
* First to record high resolution pictures of the Sun
* His graduate student, Sally Ride, was the first woman in outer space.

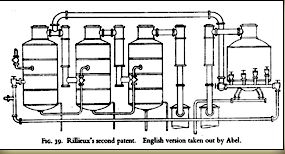
**Vivien Thomas**



* Born: August 29, 1910 in New Iberia, Louisiana
* Died: November 26, 1985
* Surgeon despite no formal education past high school
* First surgeon without a doctorate to perform open heart surgery
* Developed procedures and instruments to treat Blue Baby Syndrome
* Developed surgical techniques for improving blood circulation in patients whose arteries are transposed, called “atrial septectomy”.
* His grandfather was a slave.

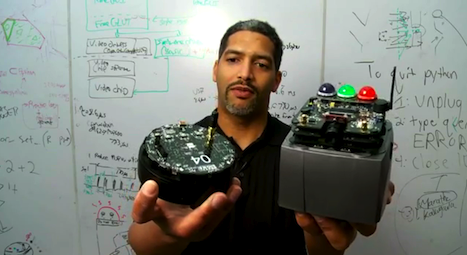
**Norbert Rillieux**





* Born: March 17, 1806 in New Orleans
* Died: October 8, 1894 in Paris
* Inventor and engineer
* Invented Multiple Effect Evaporator; this made sugar production far more efficient
* Went to high school in Paris
* Became youngest teacher at École Centrale in Paris at the age of 24

**James McLurkin**



* Born: 1972 in New York
* Professor of Engineering, Rice University
* Expert in Swarm Robotics
* Has appeared on many TV programs on robotics
* Has designed 112 robots and distributed configuration control algorithms
* His SwarmBots, inspired by the behavior of ants and bees, perform individual tasks that collectively contribute to the goals of the group
* Built his first robot, “Rover”, at the age of 16

**Ernest Just**



* Born: August 14, 1883 in South Carolina
* Died: October 27, 1941
* Pioneer in field of Biology
* Identified role of cell surface in the development of organisms.
* Co-founder of Omega Psi Phi Fraternity
* His mother helped found the town of Maryville, South Carolina
* Worked in Italy, Germany and France.
* Was captured by the Germans while working in France in WW II and sent to a concentration camp.

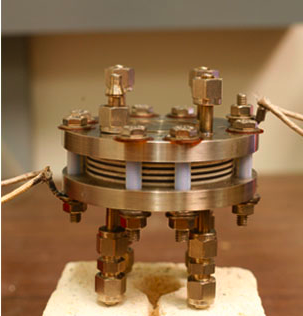
**Erich Jarvis**



* Born: 1966 in New York
* Professor of Neurobiology, Duke University
* Studied neurobiology of vocal learning in birds
* Discovered that when birds learn a song, products of specific genes accumulate in their brains.
* Found evidence that vocal learning systems may have evolved out of ancient motor learning systems
* His father enrolled at City University of New York at the age of 16

**Sossina Haile**





* Born: 1966 in Ethiopia
* Professor of Chemical Engineering at the California Institute of Technology (CalTech)
* Researched mechanisms that govern ion transport
* Developed first solid acid fuel cell (device that converts chemical energy to electricity) using superprotonic compounds

**Sylvester James Gates**



* Born: December 15, 1950
* Theoretical Physicist
* Professor of Physics, University of Maryland
* Known for work on [Supersymmetry](http://en.wikipedia.org/wiki/Supersymmetry), [Supergravity](http://en.wikipedia.org/wiki/Supergravity), and [Superstring Theories](http://en.wikipedia.org/wiki/Superstring_theory).

**Lloyd Ferguson**



* Born: February 9, 1918
* Founded doctoral program in Chemistry at Howard University (1st PhD program in Chemistry at a predominately African American university).
* Wrote 7 chemistry textbooks.
* Researched chemotherapy treatments for cancer and chemical mechanisms of human sense of taste.
* Earned PhD from University of California, Berkeley in 1943.
* Developed a moth repellant, a silverware cleanser, and a lemonade powder in his backyard laboratory as a child.

**Marie Maynard Daly**



* Born: April 16, 1921 in New York
* Died: October 28, 2003
* 1947 became 1st African American woman to earn a PhD in chemistry
* Professor of Biochemistry at Columbia University
* Pioneer in study of effects of cigarette smoke on lungs & how chemicals in the body help food digestion.

**Benjamin Carson**

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* Born: September, 18, 1951 in Detroit
* Director of Pediatric Neurosurgery at John Hopkins Hospital
* Decided to go to Yale because he saw a knowledge contest on TV between universities and Yale won. Carson wanted to participate, but the TV program was cancelled before he entered college.
* 1987: First surgeon to separate Siamese twins joined at the back of their heads (cranjopagus twins).
* Developed 1st intrauterine procedure to relieve pressure on the brain of a hydrocephalic fetal twin.

**William Cardozo**

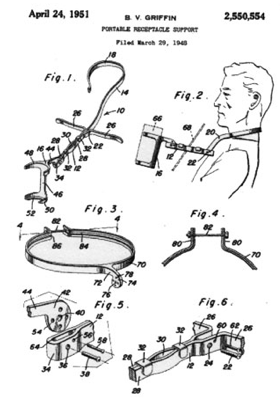


* Born: 1905
* Died: 1962 in Washington, D.C.
* Professor of Medicine, Howard University
* Pioneering research on Sickle Cell Anemia: found:

1. disease was largely inherited,
2. it is found almost exclusively among people of African descent,
3. not all people having sickle cells were anemic, and
4. that sickle cell disease is not always fatal.

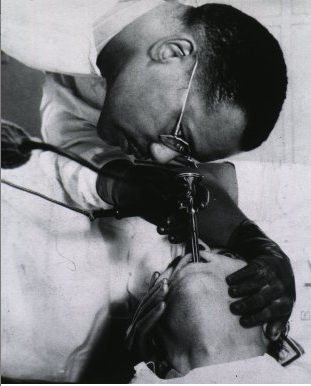
**Bessie Blount**





* Born: November 24, 1914 in Hickory, Virginia
* Died: December 30, 2009
* 1951: Invented and patented a feeding tube that delivered one mouthful of food at a time, controlled by biting down on the tube. This allowed [amputees](http://en.wikipedia.org/wiki/Amputation) to feed themselves.
* 1969-97: Forensic Science Consultant: specializing in detecting forgeries and invalid documents.
* At school was forced to write with right hand although she was left handed.

**Leonidas Berry**



* Born: July 20, 1902 in Woodsdale, North Carolina
* Died: December 4, 1995 in Chicago
* Physician, Cook County Hospital, Chicago
* 1st to perform Gastropies (operations involving instruments with which doctors can see inside the digestive tract.
* Invented a gastroscopic instrument.
* Developed “Berry Plan” to provide medical care for people who could not afford it.
* 1965-66: President of the National Medical Association

**Roger Young**



* Born: 1899 in Clifton Forge, Virginia
* Died: November 9, 1964 in New Orleans
* 1924: First African American woman to publish research in Zoology
* 1926: First African American woman to earn a PhD in Zoology
* Studied the effects of direct and indirect radiation on sea urchin eggs, on the structures that control the salt [concentration](http://en.wikipedia.org/wiki/Concentration) in [paramecium](http://en.wikipedia.org/wiki/Paramecium), as well as [hydration](http://en.wikipedia.org/wiki/Tissue_hydration) and [dehydration](http://en.wikipedia.org/wiki/Dehydration) of living cells.